

Appl. No. 09/939,095
Amdt. dated December 7, 2004
Reply to Office action of September 8, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method ~~for providing an entitled application screen in response to a presentation object's request to a database and its associated business rule objects, comprising the steps of:~~

requesting at least a portion of an application screen from ~~the a database and associated business rule objects in response to a request for an application screen;~~

identifying ~~the a returned application screen returned for display, wherein the returned application screen returned can be is~~ different than ~~from~~ the one requested application screen if the requested application screen cannot be provided based on at least one of said business rule objects; and

~~displaying providing the returned application screen using to the presentation object.~~

2. (Currently amended) A method as in claim 1, further comprising ~~the step of~~ identifying the application screen using a response table that ~~contains comprises a~~ display library.

3. (Currently amended) A method as in claim 2, wherein ~~the identifying step the returned application screen~~ further comprises ~~the step of formatting the returned application screen returned for display using the display library returned from the response table.~~

4. (Currently amended) A method as in claim 1, wherein ~~the identifying step the returned application screen~~ further comprises ~~the step of formatting the returned application screen returned for display.~~

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5. (Currently amended) A method as in claim 1, ~~further comprising the step of~~ wherein identifying the returned application screen comprises using an interpreter to identify the returned application screen ~~returned and provide display formatting components.~~

6. (Currently amended) A method as in claim 1, ~~further comprising the step of~~ linking the presentation object and the database and associated business rules objects, via a request and response table.

7. (Currently amended) A method ~~of allowing a presentation object to request and display an entitled user screen from a database and business rules object,~~ comprising the steps of:

receiving a request for a user screen from a presentation object;

~~requesting a user screen desired to be displayed, from the database and business rules object;~~

receiving a user screen response ~~back from the a~~ database and business rules object, wherein the user screen response ~~can be~~ comprises a different user screen than requested when the requested user screen cannot be provided based on said business rules object;

identifying the user screen response that has been returned; and

formatting the user screen response for display through the presentation object based on the identified user screen response.

8. (Currently amended) A method as in claim 7, ~~further comprising the step of~~ wherein identifying the user screen response comprises using a response table that contains display formatting components.

9. (Currently amended) A method as in claim 87, wherein ~~the formatting step~~ the user screen response further comprises the step of formatting the user screen response returned for display using the display formatting components returned from the response table.

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10. (Currently amended) A ~~computer system for allowing a software application to request and display an entitled user screen from a database and business rules object~~, comprising:

a presentation object that requests a user screen and data from ~~the a database and business rules object, wherein the database and business rules object comprises rules that determine if the requested user screen can be returned; and~~

a response table to translate a response user screen from the database and business rules object and to provide display properties for the response user screen when a different user screen is returned than was originally requested;

a formatting object to format the user screen and combine it with requested data for display;

~~returning wherein the different user screen is returned if the requested user screen cannot be returned.~~

11. (Original) A system as in claim 10 wherein the presentation object is a networked content server.

12. (Original) A system as in claim 10 wherein the formatting object formats the user screens using a markup language.

13. (Currently amended) A ~~computer system for formatting screens and related data to be displayed to an end user from a computer application, wherein the screen entitled to be displayed is unknown before run time~~, comprising:

a request index template to receive a screen request from ~~the a computer application and retrieve a request template from a request table in order to format the screen request~~ a database query based on the screen request;

a business rules engine and database to fulfill ~~screen requests~~ the database query by returning an entitled display screen and related non-cached data;

a request handler, coupled to the request index template, to receive the ~~formatted screen request~~ database query, to submit the ~~screen request~~ database

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query to the business rules engine and database, and then to receive an entitled display screen and related data in response to the database query;

a response table associated with the request handler, wherein the request handler matches the entitled display screen received to the appropriate screen response template from the response table; and

a template assembler to assemble the entitled a formatted display screen based on the screen response template, the display screen received, and the related non-cached data received from the request handler;

wherein the business rules engine and database comprises rules that govern whether the requested display screen can be returned; and

wherein a different display screen is returned when the requested display screen cannot be returned.

14. (Original) A system in accordance with claim 13 wherein the template assembler further comprises a caching template assembler to make a second request to the business rules engine and database for data which will be stored in a template caching unit.

15. (Original) A system in accordance with claim 13 wherein the screen request is for a web page.

16. (Original) A system in accordance with claim 13 wherein the request index template, the request and response tables, and the request handler are located within a presentation content server.

17. (Currently amended) A method for providing a screen for a computer application to be displayed to a user, wherein the screen entitled to be displayed to the user is unknown before run time, comprising the steps of:

receiving a screen request from the a computer application;

retrieving the a request template corresponding to the screen request using a request index template;

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preparing a ~~screen-request~~database query based on the request template;
submitting the ~~screen-request~~database query to a business rules object
and database;

returning an ~~entitled~~ screen and associated non-cached data from the
business rules object and database in response to the ~~screen-request~~database
query, wherein the screen returned is different from the screen requested if the
screen requested cannot be provided based on rules stored in the business rules
object and database;

identifying the ~~a~~ response template for the ~~entitled~~ screen that was
returned; and

assembling a formatted display screen by combining the response
template, for and the entitled screen returned.

18. (Currently amended) A method as in claim 17, further comprising ~~the step~~
~~of displaying the entitled screen by combining the non-cached~~ data from the
database and formatting ~~from components loaded with the response template.~~

19. (Currently amended) A method as in claim 17, further comprising ~~the step~~
~~of storing the computer application on a content and presentation server.~~

20. (Currently amended) A method as in claim 17, further comprising ~~the step~~
~~of making a second request to the business rules object and database to obtain~~
data for the ~~entitled~~ screen and caching the data from the second request.

21. (New) A method, comprising:
requesting an application screen;
examining a business rule to determine whether the requested application
screen can be provided;
receiving the requested application screen if the business rule permits the
requested application screen to be provided; and

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receiving an alternate application screen if the business rule does not permit the requested application screen to be provided.

22. (New) The method of claim 21, further comprising:
loading a rendering library template; and
combining the received application screen and the rendering library template to create an end-user application screen.
23. (New) The method of claim 21, further comprising receiving data associated with the requested application screen.
24. (New) The method of claim 23, further comprising:
loading a rendering library template; and
creating an end-user application screen based on the received application screen, the data, and the rendering library template.
25. (New) A computer system, comprising:
a database comprising an application screen and a substitute application screen;
a business rules object comprising a business rule; and
a request engine adapted to send a request for the application screen to the business rules object;
wherein the business rules object responds to the request for the application screen by providing the requested application screen if the business rule permits access to the application screen; and
wherein the business rules object responds to the request for the application screen by providing the substitute application screen if the business rule does not permit access to the application screen.

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26. (New) The computer system of claim 25, wherein the request engine uses a request template to format a database query, and wherein the request for the application screen comprises the database query.

27. (New) The computer system of claim 25, further comprising a presentation that uses a response template to format an end-user application screen and that displays the end-user application screen.

28. (New) The computer system of claim 27, wherein the end-user application comprises the application screen.

29. (New) The computer system of claim 27, wherein the end-user application comprises the substitute application screen.

30. (New) The computer system of claim 27,
wherein the database further comprises application data; and
wherein the end-user application screen comprises the application data.